

Notice of Allowability

Application No.	Applicant(s)	
10/698,513	AZZOLINI, GRAZIANO	
Examiner	Art Unit	
Leslie R. Deak	3761	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
 of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 3 November 2006.

2. ☒ The allowed claim(s) is/are 2 and 5-29.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
 International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements
 noted below. Failure to timely comply will result in ABANDONMENT of this application.
 THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF
 INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of
 each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the
 attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Examiner's Comment(s)
 Notice of References Cited (PTO-892)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statements (PTO/SB/08),
 Paper No./Mail Date _____
 Examiner's Comment Regarding Requirement for Deposit
 of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
 Paper No./Mail Date _____.

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

DETAILED ACTION

Reasons for Allowance

1. Claims 2 and 5-29 are allowed.
2. The following is a statement of reasons for allowance: The prior art fails to disclose or suggest the device claimed by applicant. In particular, the prior art fails to disclose a mixing device with the claimed intake and discharge ports, helical mixing duct, in combination with an air vent or a 3-way valve at the intake ports.

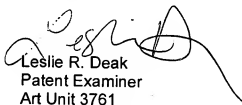
The best prior art of record, US 5,569,181 to Heilman, discloses a mixing chamber with the intake and outflow ports and helical mixing vane, but does not disclose or suggest an air vent or three-way valves. US 3,677,248 to McPhee discloses a mixing chamber with multiple intake ports, a discharge port, an air vent, and three-way valves, but does not disclose a helical mixing duct. Neither reference provides motivation to combine the two disclosures, rendering the instantly claimed device patentable over the art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leslie R. Deak whose telephone number is 571-272-4943. The examiner can normally be reached on M-F 7:30-5:00, every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tanya Zalukaeva can be reached on 571-272-1115. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Leslie R. Deak
Patent Examiner
Art Unit 3761
8 January 2007

TATYANA ZALUKAEVA
SUPERVISORY PRIMARY EXAMINER

